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**Measurement of the top pair production cross section  
in the dilepton decay channel at CDF** CHANG-SEONG MOON,  
Seoul National University, CDF COLLABORATION — We present a  
measurement of the  $t\bar{t}$  production cross section in  $p\bar{p}$  collisions at  $\sqrt{s}$   
 $= 1.96$  TeV using  $2.8 \text{ fb}^{-1}$  of data collected by the CDF detector at  
the Fermilab Tevatron. We use  $t\bar{t}$  dilepton events reconstructed with  
missing transverse energy and jets assuming top quark mass  $m_t = 175$   
GeV/ $c^2$ . We measure  $\sigma_{t\bar{t}} = 6.13 \pm 0.88_{stat} \pm 0.40_{syst} \pm 0.38_{lumi}$  pb.

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Prefer Oral Session  
Prefer Poster Session

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